

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------------------|---------|------------------|
| L1 | 8139 | (acoustic\$4 or sonic\$4 or sound\$3 or ultrasonic\$4 or ultrasound\$4 or supersonic\$4 or supersound\$3) same "tear-off strip" or "tear-off thread" same "material web" or "film web" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L2 | 560752 | transmitter or transducer near5 lobe or response adj1 curve | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L8 | 19 | "4682038" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L9 | 0 | "4682038.PN." | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L10 | 0 | "4682038.pn." | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L16 | 324902 | sonic\$4 or sound\$3 or ultrasonic\$4 or ultrasound\$3 near5 transmitter or transducer same lobe or response adj2 curve same width near5 strip | USPAT | OR | ON | 2007/05/22 20:23 |
| L18 | 324888 | sonic\$4 or sound\$3 or ultrasonic\$4 or ultrasound\$3 near5 transmitter or transducer same lobe or response adj2 curve same width near5 "tear-off strip" | USPAT | OR | ON | 2007/05/22 20:23 |
| L19 | 118815 | "73"/\$.ccls. | USPAT | OR | ON | 2007/05/22 20:23 |
| L20 | 14914 | L18 and L19 | USPAT | OR | ON | 2007/05/22 20:23 |
| L21 | 166088 | transmitter or transducer same lobe or response adj2 curve same width near5 "tear-off strip" | USPAT | OR | ON | 2007/05/22 20:23 |
| L22 | 165261 | transmitter or transducer near3 (lobe or response) adj2 curve same width near5 "tear-off strip" | USPAT | OR | ON | 2007/05/22 20:23 |
| L23 | 0 | (transmitter or transducer) adj2 (lobe or response) near1 curve same width near5 "tear-off strip" | USPAT | OR | ON | 2007/05/22 20:23 |

EAST Search History

| | | | | | | |
|-----|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----|----|------------------|
| L24 | 0 | (transmitter or transducer) adj2 (lobe or response) near2 curve same width near5 "tear-off strip" | USPAT | OR | ON | 2007/05/22 20:23 |
| L25 | 0 | (transmitter or transducer) adj3 (lobe or response) near2 curve same width near5 "tear-off strip" | USPAT | OR | ON | 2007/05/22 20:23 |
| L27 | 23459 | (acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same film nera3 wrapper same reel same pressure near3 roll same pack same "blank cutting unit" | USPAT | OR | ON | 2007/05/22 20:23 |
| L28 | 2611 | transmitter near5 "aperture stop" same gap or "outlet area" | USPAT | OR | ON | 2007/05/22 20:23 |
| L30 | 0 | (acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same film near3 wrapper same reel same pressure near3 roll same "cigarette pack" same "blank cutting unit" | USPAT | OR | ON | 2007/05/22 20:23 |
| L31 | 0 | (acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same film near3 wrapper same reel same "cigarette pack" | USPAT | OR | ON | 2007/05/22 20:23 |
| L32 | 0 | (acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same wrapper same reel same "cigarette pack" | USPAT | OR | ON | 2007/05/22 20:23 |
| L33 | 0 | (acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same wrapper same "cigarette pack" | USPAT | OR | ON | 2007/05/22 20:23 |
| L37 | 17568 | transmitter and receiver near5 (infrared or ultrasonic) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L38 | 2473 | transmitter and receiver near5 (infrared or ultrasonic) same (test\$4 or inspect\$4 or monitor\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |

EAST Search History

| | | | | | | |
|-----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----|----|------------------|
| L39 | 8737300 | transmitter and receiver near5 (infrared or ultrasonic) same (test\$4 or inspect\$4 or monitor\$4) material or web | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L40 | 727587 | transmitter and receiver near5 (infrared or ultrasonic) same (test\$4 or inspect\$4 or monitor\$4) same material or web | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L41 | 727437 | transmitter and receiver near5 (infrared or ultrasonic) same (test\$4 or inspect\$4 or monitor\$4) near3 material or web | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L42 | 1315998 | transmitter and receiver near5 (infrared or ultrasonic) same (test\$4 or inspect\$4 or monitor\$4) near3 packag\$4 or strip | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L43 | 122 | transmitter and receiver near5 (infrared or ultrasonic) same (test\$4 or inspect\$4 or monitor\$4) near3 (packag\$4 or strip or web or material) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L44 | 230278 | "73"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L46 | 1943 | L37 and L44 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L48 | 737975 | infrared or ultrasonic | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L49 | 2553665 | infrared or ultrasonic same alternat\$4 or replac\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L50 | 3844772 | infrared or ultrasonic or ultrasound near3 inspect\$4 or test\$4 or monitor\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |

EAST Search History

| | | | | | | |
|-----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----|----|------------------|
| L51 | 93302 | L44 and L50 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L52 | 3434419 | infrared near3 ultrasonic or ultrasound or acoustic near5 inspect\$4 or test\$4 or monitor\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L53 | 85522 | L44 and L52 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L54 | 3399686 | (laser or light or infrared or acoustic ultrasonic or ultrasound) adj2 inspect\$4 or test\$4 or monitor\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L55 | 2294822 | (laser or light or infrared) adj2 (acoustic ultrasonic or ultrasound) adj2 inspect\$4 or test\$4 or monitor\$4 near3 (transmitter and receiver) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L56 | 65804 | L44 and L55 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L61 | 72824 | (radiation or light) adj2 transmitter and receiver near5 ultrasonic or ultrasound | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L62 | 9947 | (radiation or light) adj2 transmitter and receiver | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L63 | 73213 | L62 and ultrasonic or ultrasound | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L65 | 230278 | "73"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |

EAST Search History

| | | | | | | |
|-----|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----|----|------------------|
| L66 | 276508 | (ultrasonic or ultrasound) adj2 energy or signal near3 (infrared or optical or infrared or ultraviolet) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L67 | 230278 | "73"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L68 | 5053 | L66 and L67 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L69 | 37943 | (ultrasonic or ultrasound) adj2 energy or signal near3 (infrared or optical or infrared or ultraviolet) near3 transmitter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L71 | 8139 | (acoustic\$4 or sonic\$4 or sound\$3 or ultrasonic\$4 or ultrasound\$4 or supersonic\$4 or supersound\$3) same "tear-off strip" or "tear-off thread" same "material web" or "film web" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |
| L73 | 89674 | transmitter near3 curve or lobe | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/05/22 20:23 |